

"Express Mail" Label No. 2163058441245

Date of Deposit 12/2/2001

Attorney Docket No.: 19496-001810US PATENT

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Assistant Commissioner for Patents
Washington, D.C. 20231

By: J. W. Schmechel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

EISENBERG et al.

Application No.:

Filed: March 30, 2001

For: SELECTION OF SITES FOR
TARGETING BY ZINC FINGER
PROTEINS AND METHODS OF
DESIGNING ZINC FINGER PROTEINS
TO BIND TO PRESELECTED SITES

Examiner: Jeffrey Lundgren

Art Unit: 1631

COMMUNICATION UNDER

37 C.F.R. §§ 1.821-1.825

AND

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant submits herewith the required paper copy of the Sequence Listing. Applicant has concurrently filed Request To Reference Previously Filed Identical Computer Readable Copy According To 37 CFR 1.821(e); and, therefore, Applicant has not submitted computer readable copy of the sequence listing herewith.

Prior to examination of the above-referenced application, please enter the following amendments and remarks.

In the specification:

Please replace the paragraph beginning at line 13 of page 1 with the following rewritten paragraph:

Zinc finger proteins (ZFPs) are proteins that can bind to DNA in a sequence-specific manner. Zinc fingers were first identified in the transcription factor TFIIIA from the oocytes of the African clawed toad, *Xenopus laevis*. An exemplary motif characterizing one class of these protein (C₂H₂ class) is -Cys-(X)₂₋₄-Cys-(X)₁₂-His-(X)₃₋₅-His (SEQ ID NO:1) (where X is any amino acid). A single finger domain is about 30 amino acids in length, and